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Water-Data Report 2006

**12464800 COAL CREEK AT MOHLER, WA**

Upper Columbia Basin  
Upper Crab Subbasin

LOCATION.--Lat 47°24'25", long 118°19'04" referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.7, T.22 N., R.36 E., Lincoln County, WA, Hydrologic Unit 17020013, on left bank 25 ft upstream from bridge on county road, 0.3 mi east of Mohler, and 15 mi upstream from mouth.

DRAINAGE AREA.--64.7 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--April 1963 to September 1974, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No known regulation. Some diversion for irrigation above station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--15 years (water years 1964-74, 2003-06), 3.85 ft<sup>3</sup>/s, 2,790 acre-ft yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 698 ft<sup>3</sup>/s, Jan. 16, 1971, gage height, 3.28 ft; no flow for long periods most years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 3, 1963, reached a stage of 4.42 ft, discharge, 1,060 ft<sup>3</sup>/s, computed by slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29 ft<sup>3</sup>/s, Jan 14, gage height, 1.72 ft; minimum discharge, 0.01 ft<sup>3</sup>/s, Aug 29.

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## 12464800 COAL CREEK AT MOHLER, WA—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.34	0.50	0.71	1.8	22	8.8	7.8	4.2	2.1	0.86	0.34	0.06
<b>2</b>	0.32	0.48	0.71	1.8	20	8.4	7.7	3.9	2.2	0.77	0.29	0.05
<b>3</b>	0.30	0.55	0.70	1.7	20	8.2	7.5	3.8	2.0	0.74	0.26	0.04
<b>4</b>	0.25	0.58	0.67	1.9	20	8.1	7.5	3.5	2.3	0.72	0.25	0.04
<b>5</b>	0.23	0.58	0.57	2.0	18	7.8	7.5	3.4	2.4	0.71	0.24	0.03
<b>6</b>	0.23	0.57	0.56	2.1	16	8.0	8.5	3.3	2.3	0.72	0.24	0.04
<b>7</b>	0.25	0.59	e0.30	2.4	14	8.1	8.2	3.2	2.2	0.71	0.20	0.05
<b>8</b>	0.26	0.63	e0.15	3.0	14	8.1	7.8	3.0	1.9	0.72	0.14	0.06
<b>9</b>	0.26	0.66	e0.18	3.1	13	8.3	9.6	2.9	1.8	0.71	0.12	0.08
<b>10</b>	0.26	0.79	e0.20	10	12	8.7	11	2.8	1.9	0.68	0.13	0.08
<b>11</b>	0.26	0.82	e0.21	21	11	8.7	11	2.7	1.9	0.61	0.15	0.09
<b>12</b>	0.27	0.79	e0.24	18	10	8.5	10	2.5	1.9	0.62	0.14	0.11
<b>13</b>	0.30	0.86	e0.20	17	10	8.1	9.4	2.3	1.8	0.65	0.14	0.11
<b>14</b>	0.31	0.90	e0.20	25	9.8	8.2	9.1	2.2	1.8	0.60	0.12	0.15
<b>15</b>	0.31	0.81	e0.19	24	9.2	8.8	8.8	2.1	1.7	0.57	0.11	0.17
<b>16</b>	0.31	0.74	e0.17	16	e8.8	8.6	8.7	2.1	1.7	0.52	0.11	0.19
<b>17</b>	0.30	0.70	e0.18	16	e7.6	9.3	8.3	2.1	1.6	0.52	0.12	0.18
<b>18</b>	0.34	0.70	e0.18	18	e6.4	11	7.7	1.9	1.4	0.48	0.13	0.19
<b>19</b>	0.34	0.79	e0.25	15	e6.6	11	7.1	1.8	1.4	0.50	0.13	0.20
<b>20</b>	0.34	0.80	e0.35	14	6.7	11	6.8	2.0	1.4	0.57	0.11	0.22
<b>21</b>	0.34	0.79	e0.80	14	6.5	10	6.5	2.1	1.5	0.55	0.08	0.25
<b>22</b>	0.34	0.74	e2.0	11	6.8	9.1	6.3	2.0	1.3	0.56	0.06	0.23
<b>23</b>	0.36	0.72	e3.0	11	7.0	8.7	6.0	2.1	1.3	0.55	0.05	0.22
<b>24</b>	0.38	0.76	1.9	11	6.9	8.6	5.7	2.1	1.2	0.53	0.04	0.23
<b>25</b>	0.38	0.89	1.1	11	6.9	8.8	5.5	2.0	1.2	0.49	0.04	0.22
<b>26</b>	0.38	0.87	1.2	10	6.9	8.6	5.2	2.1	1.1	0.49	0.03	0.25
<b>27</b>	0.39	0.82	1.2	11	7.5	8.0	5.1	2.1	0.97	0.48	0.04	0.26
<b>28</b>	0.43	0.79	1.2	11	8.5	7.8	4.8	2.0	0.95	0.47	0.03	0.25
<b>29</b>	0.48	0.74	1.2	12	---	7.6	4.6	2.0	0.95	0.45	0.02	0.23
<b>30</b>	0.48	0.72	1.6	17	---	7.2	4.2	1.9	0.95	0.40	0.03	0.25
<b>31</b>	0.52	---	1.7	22	---	7.6	---	2.0	---	0.39	0.04	---
<b>Total</b>	10.26	21.68	23.82	354.8	312.1	267.7	223.9	78.1	49.12	18.34	3.93	4.53
<b>Mean</b>	0.33	0.72	0.77	11.4	11.1	8.64	7.46	2.52	1.64	0.59	0.13	0.15
<b>Max</b>	0.52	0.90	3.0	25	22	11	11	4.2	2.4	0.86	0.34	0.26
<b>Min</b>	0.23	0.48	0.15	1.7	6.4	7.2	4.2	1.8	0.95	0.39	0.02	0.03
<b>Ac-ft</b>	20	43	47	704	619	531	444	155	97	36	7.8	9.0
<b>Cfsm</b>	0.01	0.01	0.01	0.18	0.17	0.13	0.12	0.04	0.03	0.01	0.00	0.00
<b>In.</b>	0.01	0.01	0.01	0.20	0.18	0.15	0.13	0.04	0.03	0.01	0.00	0.00

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2006, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	0.14	0.28	2.03	11.7	10.9	13.9	4.83	1.71	0.61	0.19	0.07	0.09
<b>Max</b>	0.33	0.72	16.1	46.3	42.0	102	14.8	3.71	1.64	0.59	0.32	0.34
(WY)	(2006)	(2006)	(1974)	(1971)	(1970)	(1969)	(1969)	(1969)	(2006)	(2006)	(2004)	(2004)
<b>Min</b>	0.00	0.03	0.19	0.00	1.16	2.06	1.15	0.42	0.08	0.00	0.00	0.00
(WY)	(1964)	(1964)	(1964)	(1969)	(1964)	(2005)	(1973)	(1973)	(1963)	(1963)	(1963)	(1963)

**12464800 COAL CREEK AT MOHLER, WA—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2005</b>	<b>Water Year 2006</b>	<b>Water Years 1963 - 2006</b>	
<b>Annual total</b>	368.38	1,368.28		
<b>Annual mean</b>	1.01	3.75	3.85	
<b>Highest annual mean</b>			10.9	1969
<b>Lowest annual mean</b>			0.93	1964
<b>Highest daily mean</b>	3.9	Jan 21	25	Jan 14
<b>Lowest daily mean</b>	0.13	Aug 21	0.02	Aug 29
<b>Annual seven-day minimum</b>	0.14	Aug 21	0.03	Aug 24
<b>Annual runoff (ac-ft)</b>	731		2,710	2,790
<b>Annual runoff (cfsm)</b>	0.016		0.058	0.060
<b>Annual runoff (inches)</b>	0.21		0.79	0.81
<b>10 percent exceeds</b>	2.0		10	8.0
<b>50 percent exceeds</b>	0.75		1.2	0.45
<b>90 percent exceeds</b>	0.17		0.15	0.00

